HIV & Other Sexually Transmitted Diseases

Speaker: Solita Jefferies, Mecklenburg County Public Health

National Snapshot of HIV/AIDS

35 YEARS AGO the U.S. reported the very first case of **AIDS**

1981

TODAY

THE END OF AIDS is possible with testing & care

More than
1.1 million
people in the US
are living with HIV

39,500
people were newly
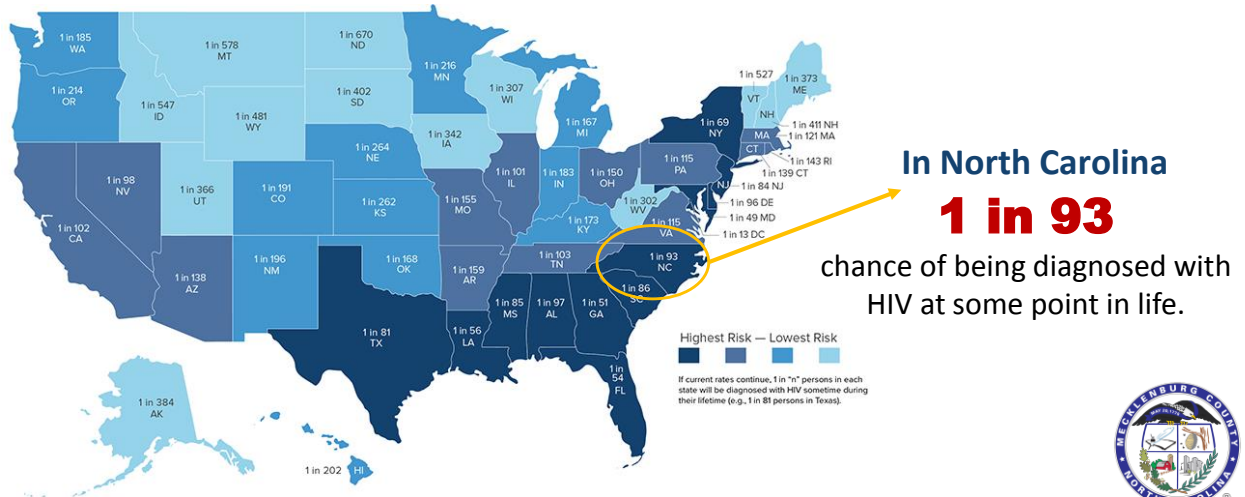diagnosed in 2015

Number of New Infections fell
10%
Between 2010 and 2014

Source: CDC. Diagnoses of HIV infection in the United States and dependent areas, 2015. *HIV Surveillance Report* 2015;26.

Prepared by: Mecklenburg County Public Health, Epidemiology Program 10/2017

PUBLIC HEALTH

Lifetime Risk for HIV is HIGHEST in the South

In North Carolina
1 in 93
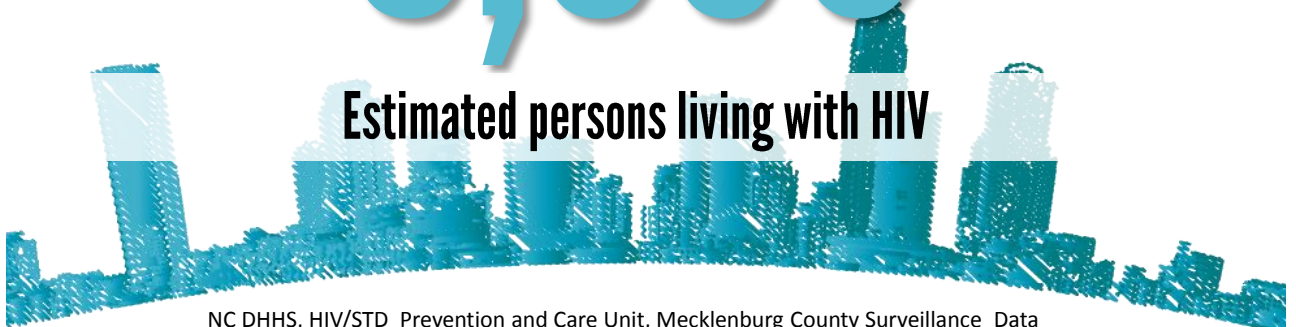chance of being diagnosed with HIV at some point in life.

PUBLIC HEALTH

Source: CDC. Diagnoses of HIV infection in the United States and dependent areas, 2014. *HIV Surveillance Report* 2015;26.

Of the over 1 Million people living in Mecklenburg County

6,630

Estimated persons living with HIV

NC DHHS, HIV/STD Prevention and Care Unit, Mecklenburg County Surveillance Data

1 in 7

People with HIV don't know they have it!

Source: Centers for Disease Control

STDs *on the rise* in the Nation, State and County

Increasing STDS

In 2016

STDs are Increasing

7,983 thousand
CASES OF CHLAMYDIA

33% increase

In number of cases between 2012 and 2016

Source: NC DHHS, HIV/STD Surveillance Reports

In 2016

STDs are Increasing

2,772 thousand
CASES OF GONORRHEA

36% increase

In number of cases between 2012 and 2016

Source: NC DHHS, HIV/STD Surveillance Reports

In 2016

STDs are Increasing

296 hundred
Cases of Primary and Secondary Syphilis

166% increase

In number of cases between 2014 and 2016

Source: NC DHHS, HIV/STD Surveillance Reports

Of High School Students in 2015

84%

Had ever been taught in school about AIDS or HIV infection

Source: Charlotte Mecklenburg County Youth Risk Behavior Survey, 2015 Data

Of High School Students in 2015

40%

Talk with parent or other adult about STDs or HIV.

Source: Charlotte Mecklenburg County Youth Risk Behavior Survey, 2015 Data

Ready to Rank this Priority Area?

1

DISCUSS

Quick Table Top Discussion of the Issue

2

RANK

Rank the issue based on the 5 criteria provided

3

VOTE

Go Online to **Meckhealth.org/CHA** And place your vote

2017 Priority Setting Event

Substance Use Disorder

Speaker: Justin Perry, MSW, LCSW, LCAS and CSI

Substance Use Disorder :
- is a **Disease**
- is **Treatable**
- can be **Managed Successfully**

In 2016

78,000 of Mecklenburg County adults report as heavy drinkers.

What is Binge Drinking?

4 DRINKS
Or more

5 DRINKS
Or more

148,000 Mecklenburg County adults are binge drinkers.

(MCHD BRFSS 2016)

In 2015

15% of Mecklenburg County High School students reported binge drinking

(MCHD YRBSS 2015)

In 2015

32% of Mecklenburg County High School students reported drinking alcohol in the past 30 days.

In 2015

24% of Mecklenburg County High School students reported using marijuana in the past 30 days

In 2015

6.1
Per 100,000

Mecklenburg County Opioid death rate.

From 2010-2014

Fatal crashes are **17x more** likely to involve alcohol than to not involve alcohol

Ready to Rank this Priority Area?

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Rank the issue based on the 5 criteria provided

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2017 Priority Setting Event

Access To Care
Speaker: Don Jonas, CARE RING

Access To Care

What does the phrase "Access to Care" mean?

How many people are we talking about?

Hey wait…didn't the Affordable Care Act solve this problem?

What are we already doing to address this issue?

Why is this such an important issue going forward?

Access To Care

What does the phrase "Access to Care" mean?

Access to comprehensive, quality health care services

Access To Care

Important For:

- *promoting and maintaining health*

- *preventing and managing disease*

- *reducing unnecessary disability and premature death and*

- *achieving health equity for all Americans.*

Access To Care

4 Key Components:

- Access to <u>insurance</u> coverage (public or private)

- Access to <u>affordable</u> health services (including dental and prescription coverage)

- Access to <u>high quality</u> health care

- Access to <u>timely</u> care

Access To Care

How Many People Are We Talking About?

1,054,835

Total Mecklenburg Residents, 2016

20% of the population reports having "*no usual source of medical care*"

200,000
residents

Access To Care

How Many People Are We Talking About?

1,054,835

Total Mecklenburg Residents, 2016

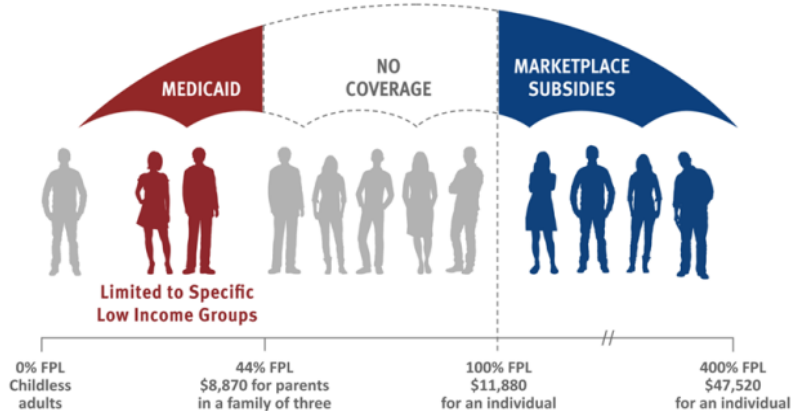**16%** of the population reports not seeking care "*due to cost*"

166,000
residents

15

Access To Care
Didn't the Affordable Care Act Solve This Problem?

Gap in Coverage for Adults in States that Do Not Expand Medicaid under the ACA

MEDICAID	NO COVERAGE	MARKETPLACE SUBSIDIES
Limited to Specific Low Income Groups		

0% FPL Childless adults	44% FPL $8,870 for parents in a family of three	100% FPL $11,880 for an individual	400% FPL $47,520 for an individual

What are we already doing to address this issue?

ONE CHARLOTTE

Access To Care

Why is this an important issue going forward?

1 in 4 adults could not see a <u>dentist</u> due to cost. (MCHD BRFSS 2016)

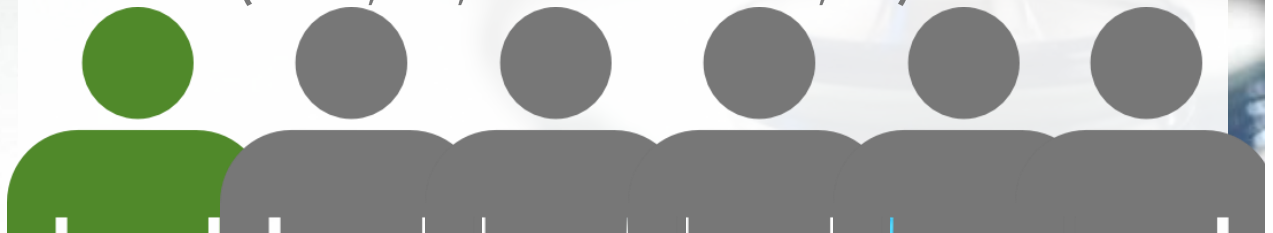Low income adults (<$25,000 per year) are

5x more likely

to report not seeing a dentist due to cost.

1 in 6 working adults

has no health insurance

(Private, HMO, Medicaid or Medicare, etc.) (MCHD BRFSS 2016)

Barriers to care include high cost of care and no insurance coverage

Extraordinary uncertainty with health care policy in this country

Access to care is FUNDAMENTAL to improving economic mobility

Ready to Rank this Priority Area?

1 **DISCUSS**
Quick Table Top Discussion of the Issue

2 **RANK**
Rank the issue based on the 5 criteria provided

3 **VOTE**
Go Online to **Meckhealth.org/CHA** And place your vote

2017 Priority Setting Event

Injury Prevention
Speaker: Janice Williams, Carolinas Center for Injury Prevention

Unintentional Injury includes:

- Motor Vehicle/Ped/Bike
- Drowning/Sports
- Falls
- Suffocation/Poison
- Fire

They are predictable and preventable

INJURY ICEBERG
- Deaths
- Hospitalizations
- ED Visits
- Outpatient Visits
- Medically Unattended Injury (home, work, school)

Unintentional Injury

2010-2013
255,891

One Bank of America Stadium a year

Injury is the leading cause of death for persons 1-44 yrs

(Centers for Disease Control)

In 2015
554 Pedestrians were hit
143 Cyclists were struck

In 2016

37,346 Motor Vehicle Crashes

102 Fatalities on the road

37% not wearing a seatbelt

Leading causes- inattention and speeding.

Falls are a major cause of
Life-long disabilities
for children
And
loss of
independent living
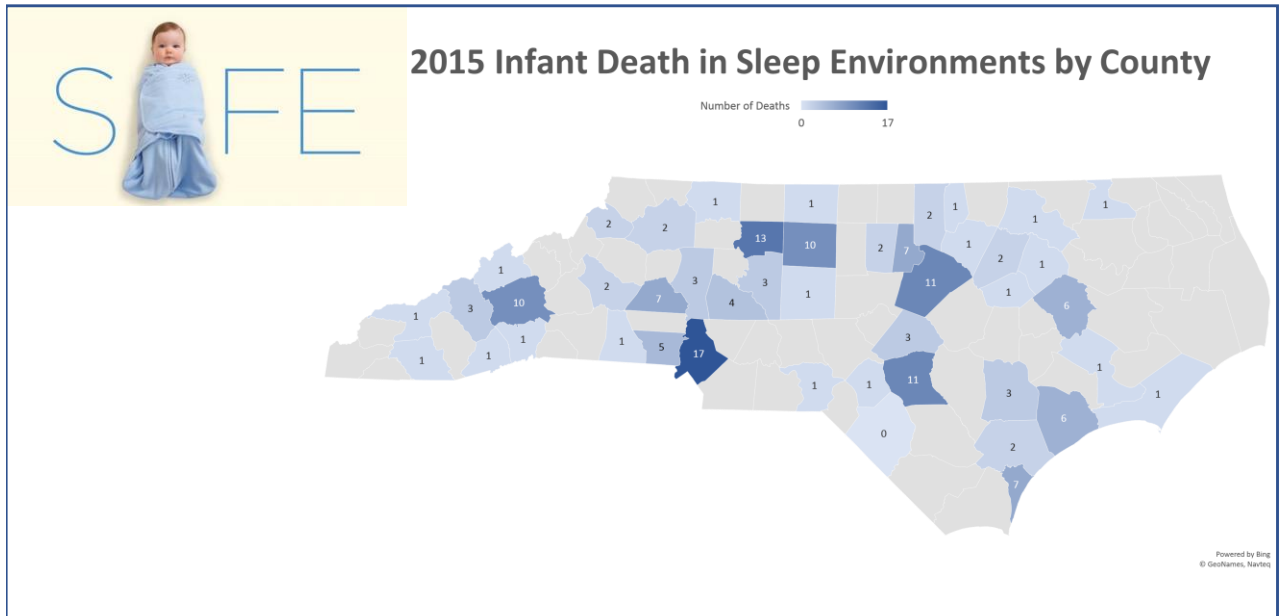**for older adults**

Injury

33% **of Households**
in **NC w**ho have children
report owning a gun.

17% say the gun is
stored unlocked and
loaded.

NC Champ Survey 2011
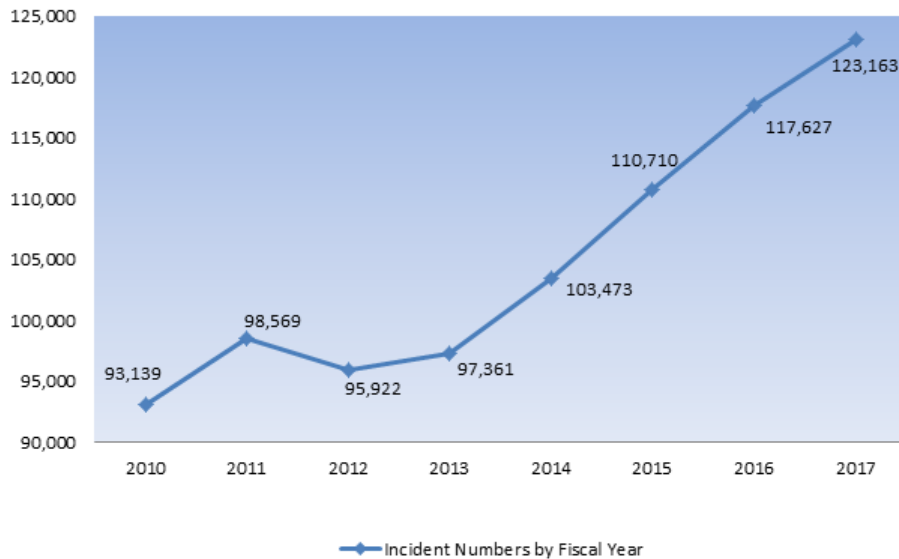
2015 Infant Death in Sleep Environments by County

Number of Deaths 0 — 17

Powered by Bing
© GeoNames, Navteq

Fires City of Charlotte

Ready to Rank this Priority Area?

1 DISCUSS

Quick Table Top Discussion of the Issue

2 RANK

Rank the issue based on the 5 criteria provided

3 VOTE

Go Online to **Meckhealth.org/CHA** And place your vote

2017 Priority Setting Event

Mental Health

Speaker: Dr. Elizabeth Peterson-Vita, Clinical Psychologist

Mental Health is a part of TOTAL HEALTH

Nearly HALF of persons with mental illness *do not* seek treatment
(Centers for Disease Control)
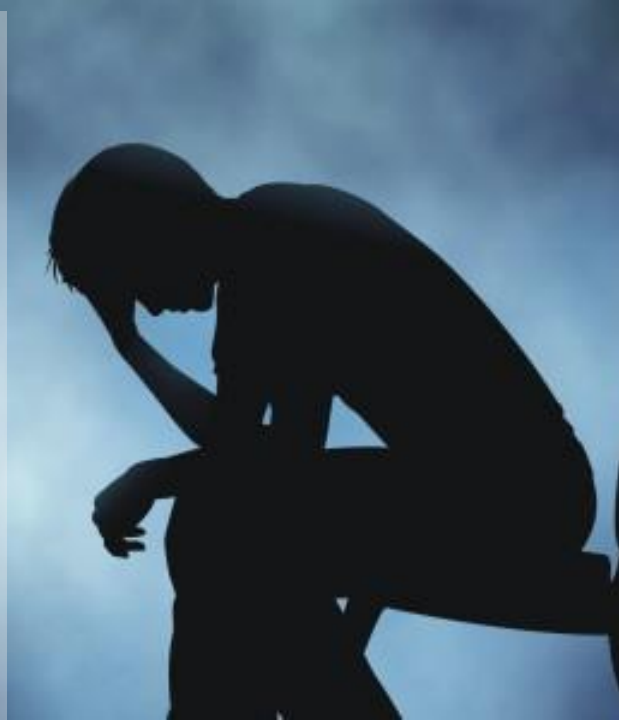
Barriers to treatment include stigma and cost

1 in 5 *adults*

report being diagnosed with depression
(Source: MCHD BRFSS 2016)
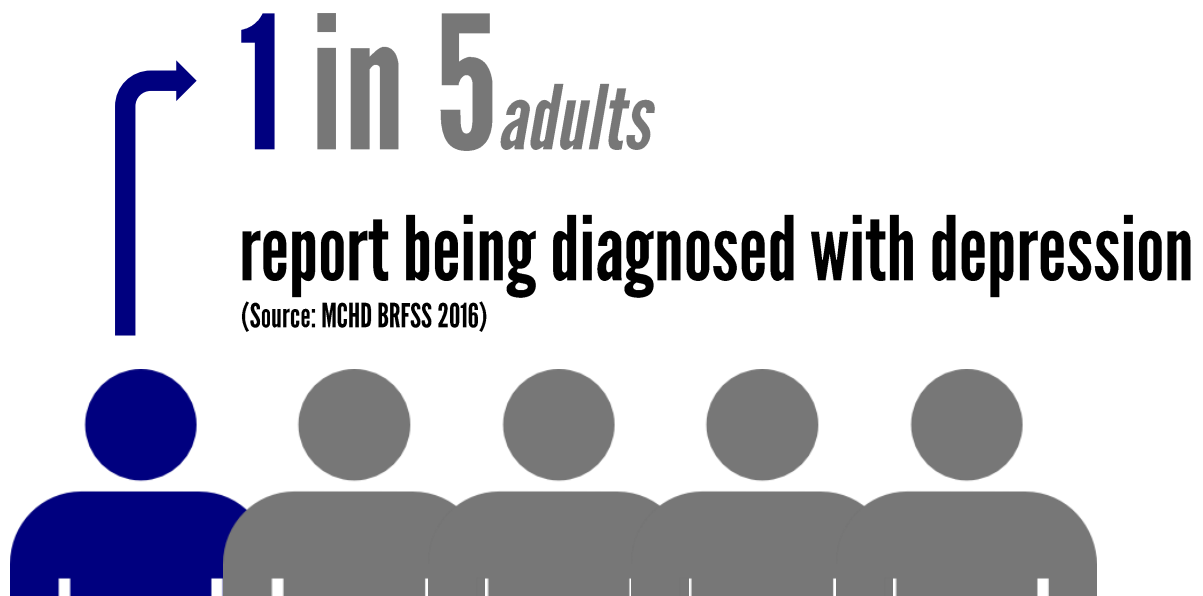
In Mecklenburg County

56%
agree that people are generally caring and sympathetic to people with mental illness.
(Source: MCHD BRFSS 2016)

In Mecklenburg County

9.6
Suicide rate in 2011-2015

Per 100,000

In 2015

32%

of Mecklenburg High School Students reported feeling sad or hopeless almost every day for two weeks or more that they stopped usual activities

In 2015

15%

of Mecklenburg County High School Students reported making a suicide plan.

EARLY INTERVENTION REDUCES IMPACT

50% of lifetime cases of mental illness begin by age 14

SAMHSA
Substance Abuse and Mental Health Services Administration

Ready to Rank this Priority Area?

1 **DISCUSS**

Quick Table Top Discussion of the Issue

2 **RANK**

Rank the issue based on the 5 criteria provided

3 **VOTE**

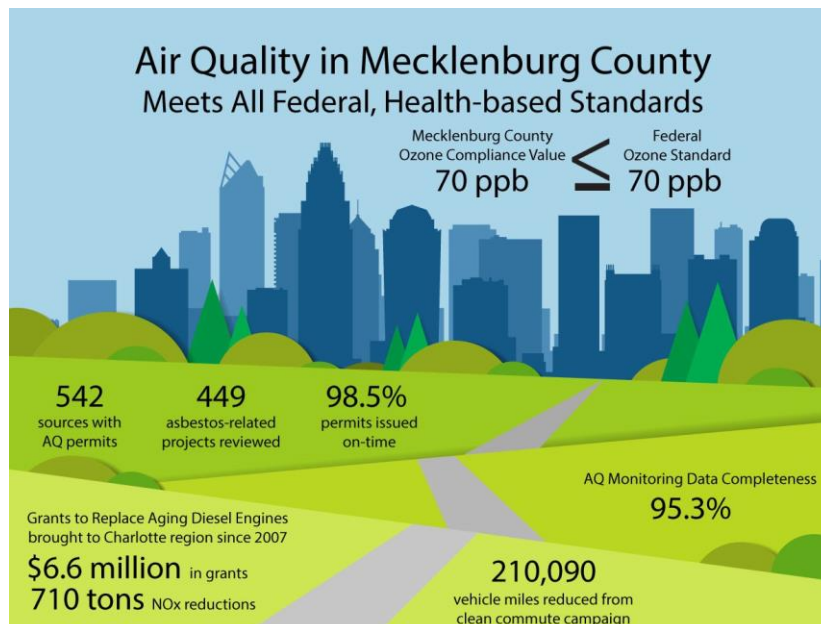Go Online to **Meckhealth.org/CHA** And place your vote

2017 Priority Setting Event

Environmental Health
Speaker: Ebenezer. S. Gujjarlapudi, Director Land Use and Environmental Services Agency

Good Days Have Doubled Since 2004

Number of Days by Air Quality Index
Mecklenburg County, NC

Legend: Good, Moderate, Unhealthy for Sensitive Groups, Unhealthy, Very Unhealthy

Air Quality in Mecklenburg County
Meets All Federal, Health-based Standards

Mecklenburg County Ozone Compliance Value 70 ppb ≤ Federal Ozone Standard 70 ppb

542 sources with AQ permits

449 asbestos-related projects reviewed

98.5% permits issued on-time

AQ Monitoring Data Completeness 95.3%

Grants to Replace Aging Diesel Engines brought to Charlotte region since 2007
$6.6 million in grants
710 tons NOx reductions

210,090 vehicle miles reduced from clean commute campaign

Air Quality in Mecklenburg County
Meets All Federal, Health-based Standards

Mecklenburg County
Ozone Compliance Value
70 ppb

$\leq$

Federal
Ozone Standard
70 ppb

Mobile Source Air Quality Indicators

Creeks are Cleaner/Suitable for Contact

Mountain Island Lake and
Lake Norman

scored 100%
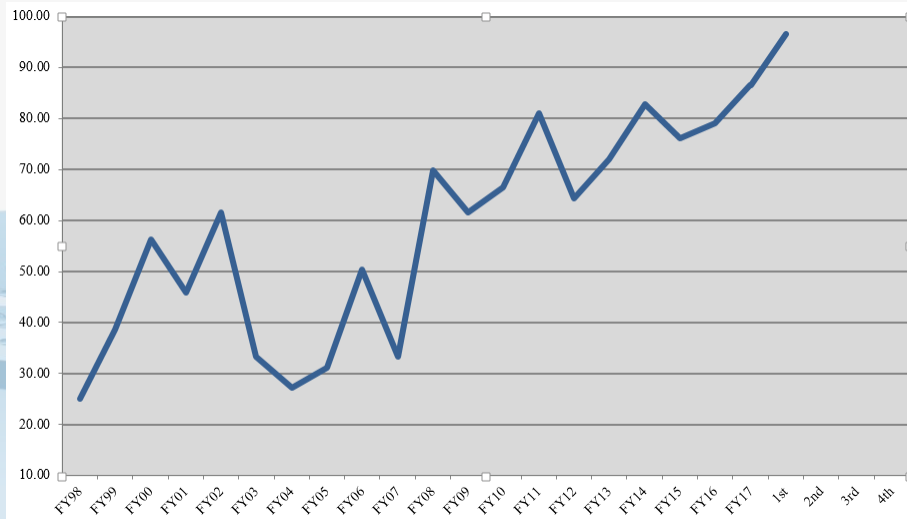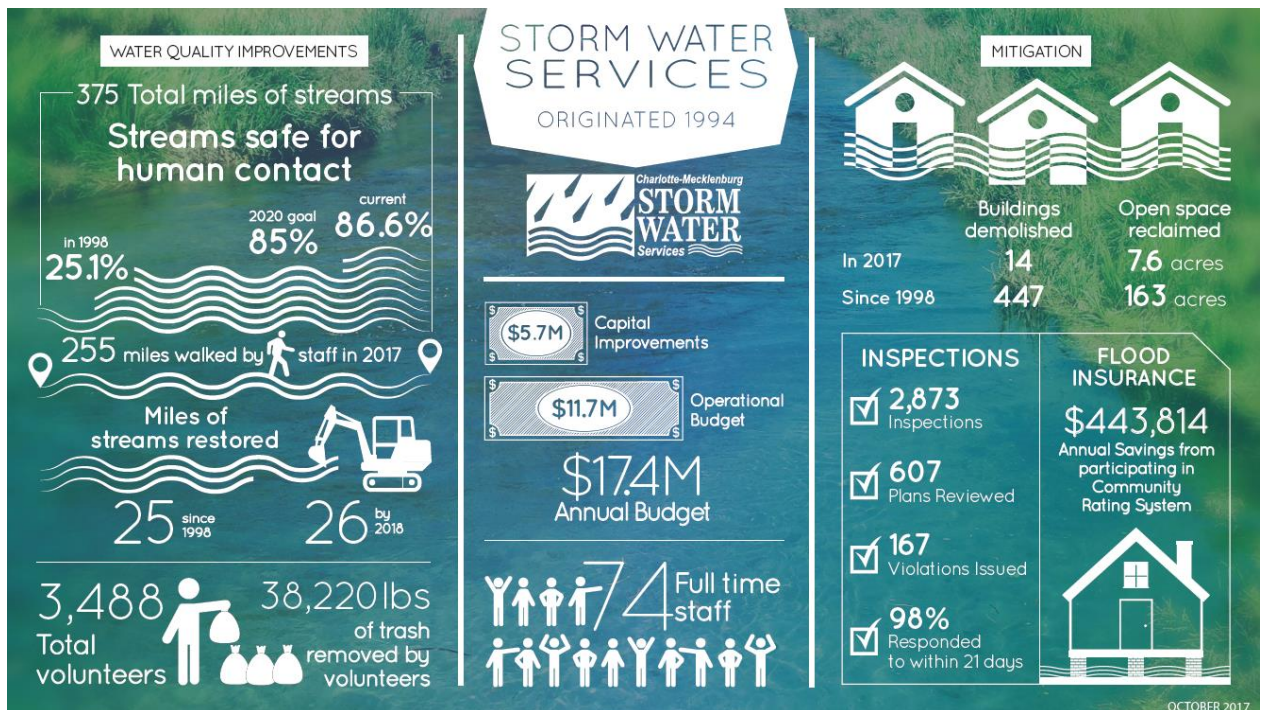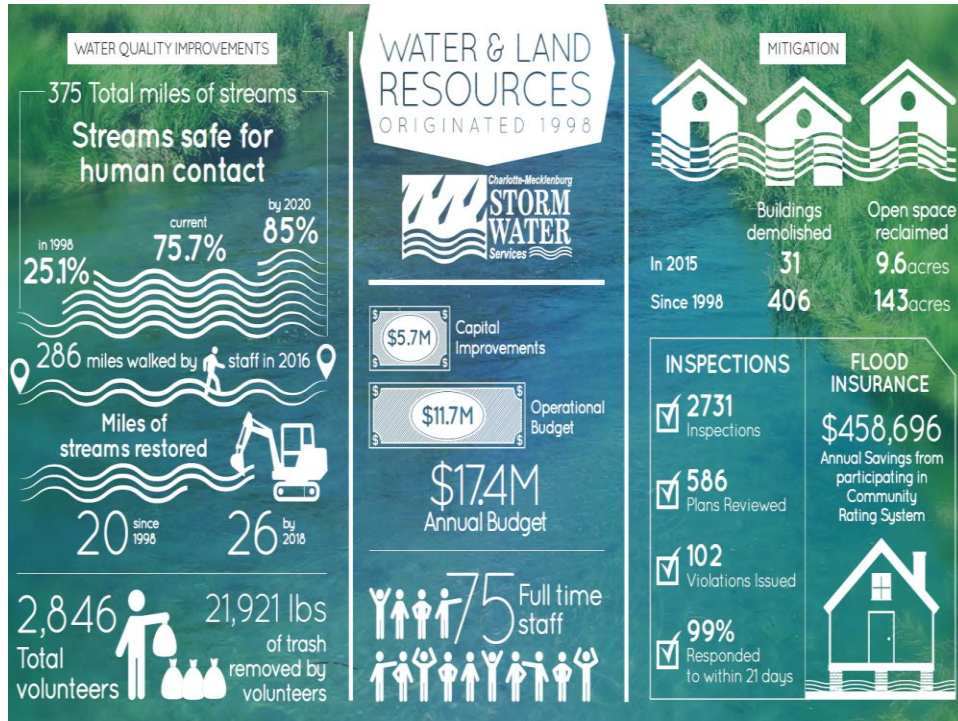
on the Lake Use Support Index

WATER QUALITY IMPROVEMENTS

WATER & LAND RESOURCES
ORIGINATED 1998

MITIGATION

375 Total miles of streams

Streams safe for human contact

in 1998 25.1%
current 75.7%
by 2020 85%

286 miles walked by staff in 2016

Miles of streams restored
20 since 1998
26 by 2018

2,846 Total volunteers
21,921 lbs of trash removed by volunteers

Charlotte-Mecklenburg STORM WATER Services

$5.7M Capital Improvements
$11.7M Operational Budget
$17.4M Annual Budget

75 Full time staff

Buildings demolished
Open space reclaimed
In 2015 — 31 — 9.6 acres
Since 1998 — 406 — 143 acres

INSPECTIONS
2731 Inspections
586 Plans Reviewed
102 Violations Issued
99% Responded to within 21 days

FLOOD INSURANCE
$458,696 Annual Savings from participating in Community Rating System

WATER QUALITY IMPROVEMENTS

STORM WATER SERVICES
ORIGINATED 1994

MITIGATION

375 Total miles of streams

Streams safe for human contact

in 1998 25.1%
2020 goal 85%
current 86.6%

255 miles walked by staff in 2017

Miles of streams restored
25 since 1998
26 by 2018

3,488 Total volunteers
38,220 lbs of trash removed by volunteers

Charlotte-Mecklenburg STORM WATER Services

$5.7M Capital Improvements
$11.7M Operational Budget
$17.4M Annual Budget

74 Full time staff

Buildings demolished
Open space reclaimed
In 2017 — 14 — 7.6 acres
Since 1998 — 447 — 163 acres

INSPECTIONS
2,873 Inspections
607 Plans Reviewed
167 Violations Issued
98% Responded to within 21 days

FLOOD INSURANCE
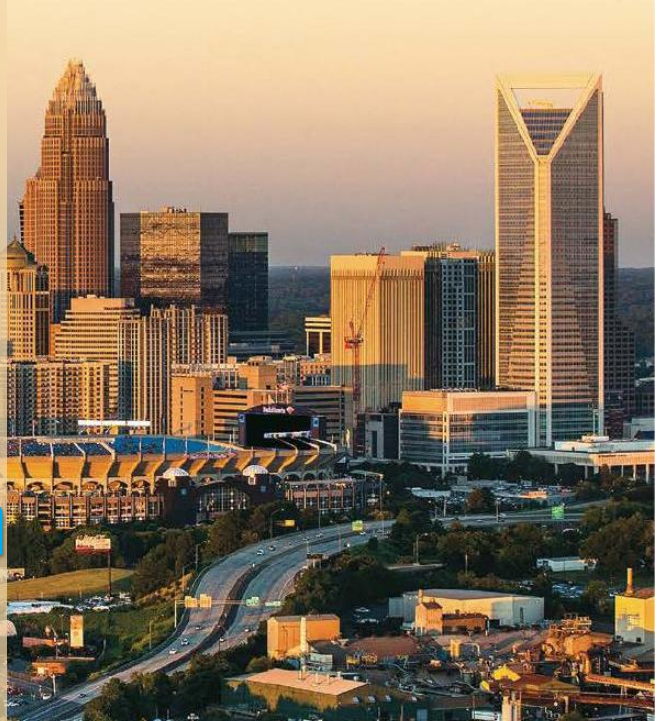$443,814 Annual Savings from participating in Community Rating System

OCTOBER 2017

36

Development and Growth must be Balanced with Environmental Protection

Photo courtesy of Charlotte Chamber of Commerce

$2.2M Diverted Annually
By directing material to recycling, not landfill

77 Full Time Employees

Disposal Rate
tons per person per year
2000: 2
2017: 1.14
A 41% reduction in per capita waste

Metrolina Recycling Center Contract Tonnage
2016: 75,839
2017: 76,404

WIPE OUT WASTE
Mecklenburg County Solid Waste
980–314–DUMP | WipeOutWaste.com

Operating Budget $23.25m

Landfill

Foxhole Landfill	Speedway Landfill
FY16 118,397 TONS	FY16 382,677 TONS
FY17 116,857 TONS	FY17 384,195 TONS

All Recycling Centers

Total Customers

FY16	FY17
551,930	525,012

Tonnage	FY16	FY17
Construction & Demolition	36,395	38,450
Electronics	1,193	1,422
Household Hazardous Waste	868	950
Yard Waste Tonnage	108,839	129,944

Panthers Tailgate
100 Volunteers
79.22 tons recyclables collected

Environmental Health

Use of recycling facilities has increased each year since 2010

Environmental Health

Use of recycling facilities has increased each year since 2014

Unfortunately, recycling contamination has increased as well

recycling items like, garden hoses, plastic grocery bags, etc.

These items prove costly and dangerous to recycling workers

Ready to Rank this Priority Area?

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Meckhealth.org/CHA
And place your vote

2017 Priority Setting Event

Healthy Pregnancy

Speaker: Michelle McGrath, Mecklenburg County Public Health

PRECONCEPTION HEALTH

A healthy pregnancy begins with a healthy mom

Moms with *limited or no prenatal care* may have poor birth outcomes
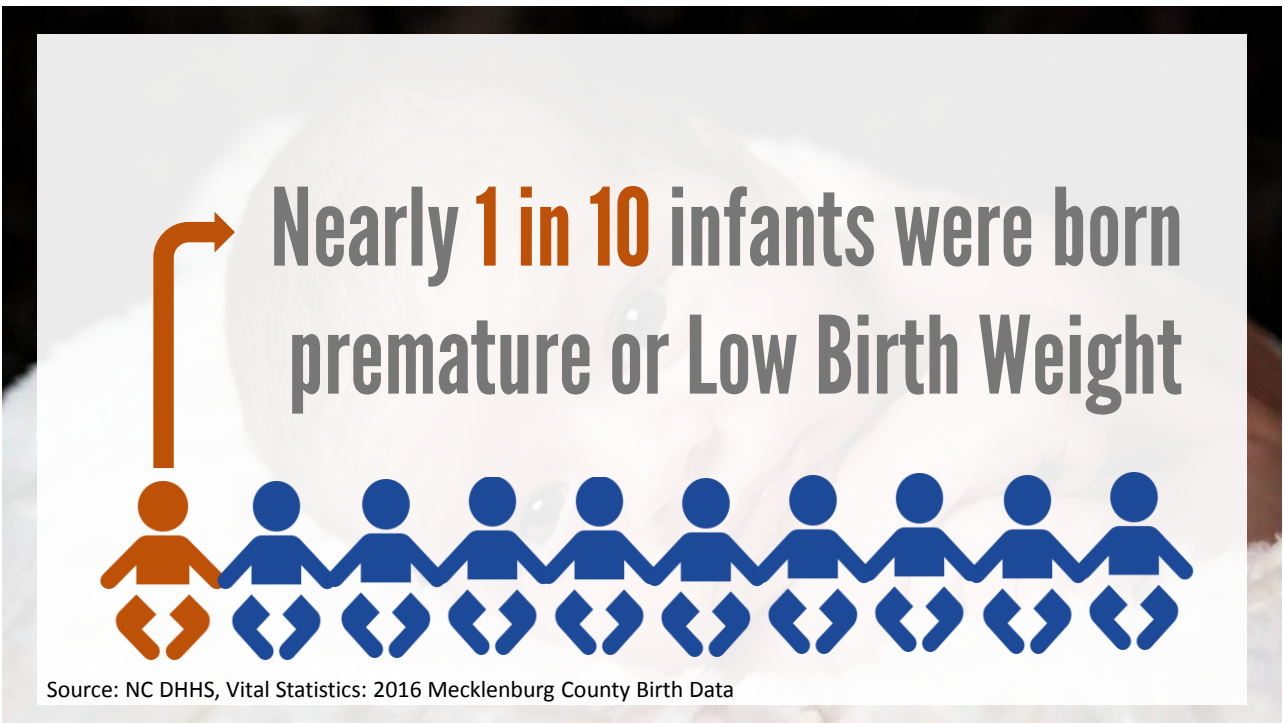
Mecklenburg County had

14,876

births in 2016

Source: NC DHHS, Vital Statistics: Mecklenburg County Birth Data

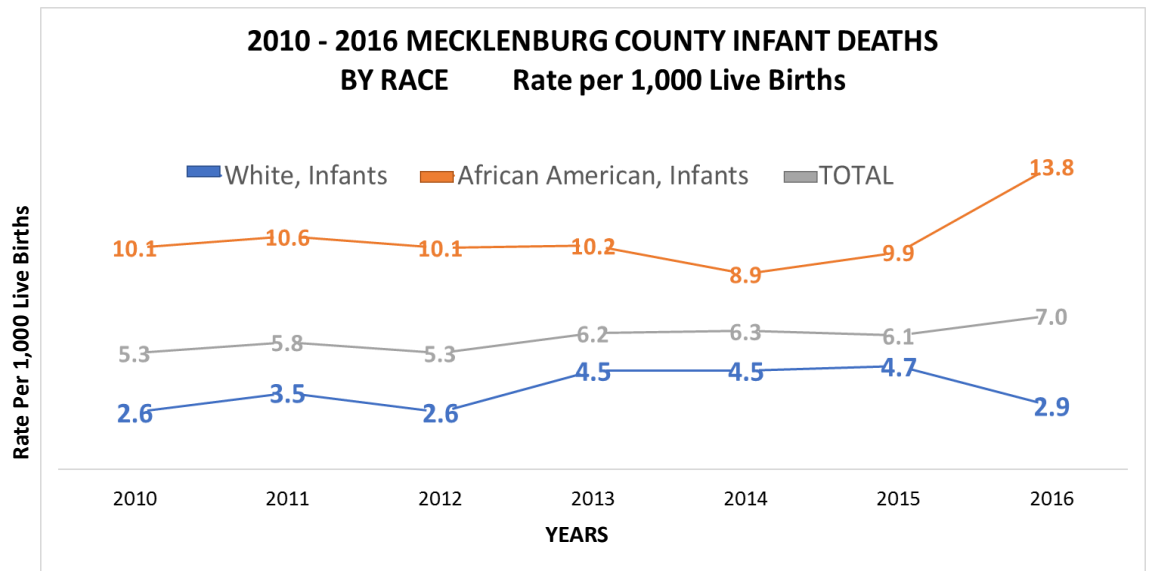Nearly **1 in 10** infants were born premature or Low Birth Weight

Source: NC DHHS, Vital Statistics: 2016 Mecklenburg County Birth Data

For every 1,000 infants born, **7 die before their first birthday.**

Source: NC DHHS, Vital Statistics: Mecklenburg County 2016 Birth Data

2010 - 2016 MECKLENBURG COUNTY INFANT DEATHS BY RACE   Rate per 1,000 Live Births

Source: NC DHHS, Vital Statistics Data, Volume 1 for Mecklenburg County, 2010 - 2016

60% decline in Teen Birth Rates since the year 2000.

Source: NC DHHS, Vital Statistics: Mecklenburg County 2015 Birth Data

About 1 in 3

teens who gave birth were ages 15 to 17

Source: NC DHHS, Vital Statistics: Mecklenburg County 2015 Birth Data

Unintended Pregnancies

- Associated with **increased health risk** for mother and child

- Associated with **poor birth outcomes**

- Access to Care linked to issues surrounding **health equity**

Ready to Rank this Priority Area?

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Quick Table Top Discussion of the Issue

2

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2017 Priority Setting Event

Chronic Disease Prevention
Speaker: Maria G. Reese, MS Carolinas Healthcare System

Chronic Diseases such as

Heart Disease   **Cancer**   **Stroke**   **Diabetes**

are Leading Causes of Death

A Snapshot of Mecklenburg County Adults With Chronic Disease

Disease	Percent	Adults
Diabetes	9% →	67,100 adults
Cardiovascular Disease	8% →	59,600 adults
COPD	5% →	32,300 adults
Kidney Disease	3% →	22,400 adults

(MCHD BRFSS 2016)

1 HEALTHY EATING

2 PHYSICAL ACTIVITY

3 NOT SMOKING

Can Prevent or Reduce up to 50% of Chronic Diseases

82%

Of adults **do not** eat 5 or more servings of fruits/veggies daily.

(MCHD BRFSS 2016)

125,000

Of adults **are** smokers.

(MCHD BRFSS 2016)

133,000

Of adults **are not** physically active

(MCHD BRFSS 2016)

Risk Factors for many chronic conditions include:

Unhealthy Weight

Nearly 500,000 adults

61%
Yes

(MCHD BRFSS 2016)

Risk Factors for many chronic conditions include:

Unhealthy Weight

High Cholesterol

30%
Yes

(MCHD BRFSS 2016)

Risk Factors for many chronic conditions include:

Unhealthy Weight

High Cholesterol

**29%
Yes**

High Blood Pressure

(MCHD BRFSS 2016)

Healthy Community Design

"We want to
make the
Healthy Choice
the
Easy Choice"

**Better Access to Fruits
and Veggies**

**Policies to Reduce
Tobacco Use**

Enjoy your
Tobacco Free Park

For the health of all park patrons,
use of tobacco products is
prohibited at all times.
Thank you for your cooperation.
Violators can be fined $50.

Ready to Rank this Priority Area?

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2017 Priority Setting Event

Violence
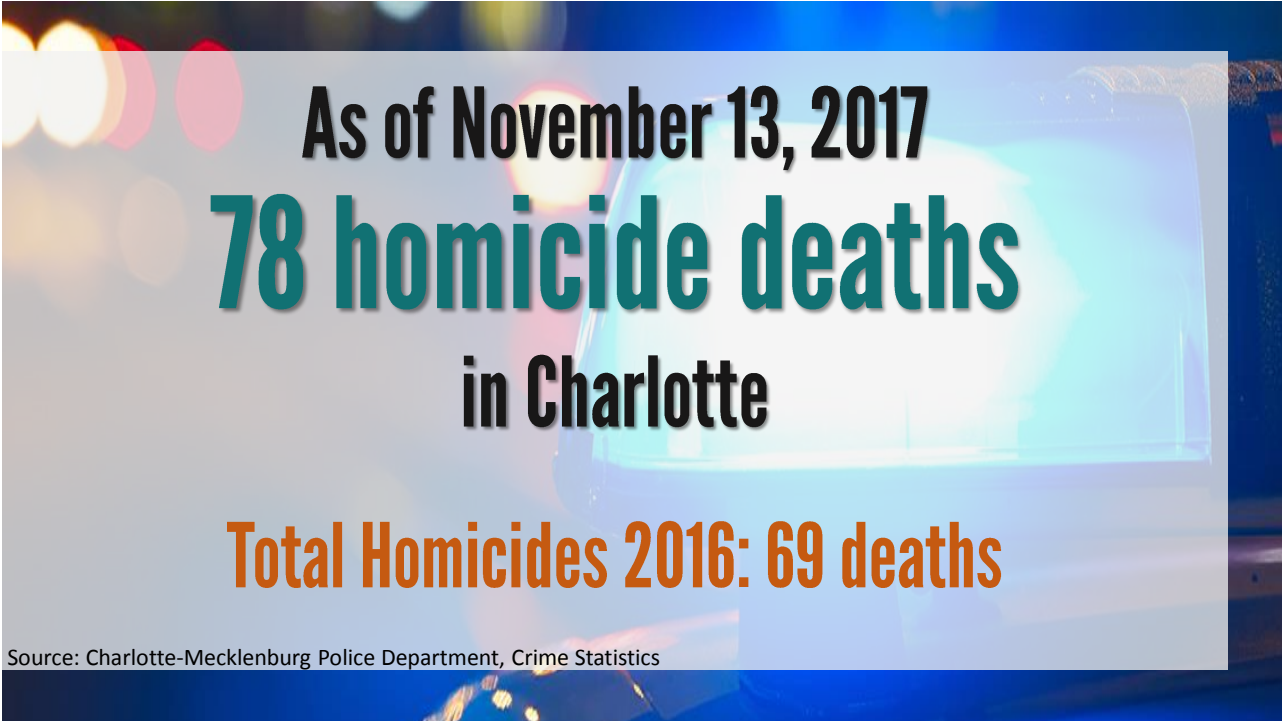## Speaker: Ronnie Devine, Project Safe Neighborhood Manager

Exposure to violence may result in emotional, psychological and physical problems

Children may carry these negative outcomes into adulthood

Every year, CMPD refers over 3,000 children exposed to violence to mental health clinicians

As of November 13, 2017
78 homicide deaths
in Charlotte

Total Homicides 2016: 69 deaths

Source: Charlotte-Mecklenburg Police Department, Crime Statistics

Aggravated Assaults and Assaults Without a Weapon are on the rise

In 2015

17% of Mecklenburg County High School Students reported being bullied

In 2015

11% of Mecklenburg County High School Students reported being "Cyberbullied"

In 2015

13% of Mecklenburg County High School Students reported carrying a weapon in the past month.

In 2015

22% of Mecklenburg County High School Students reported being in a fight in the last year.
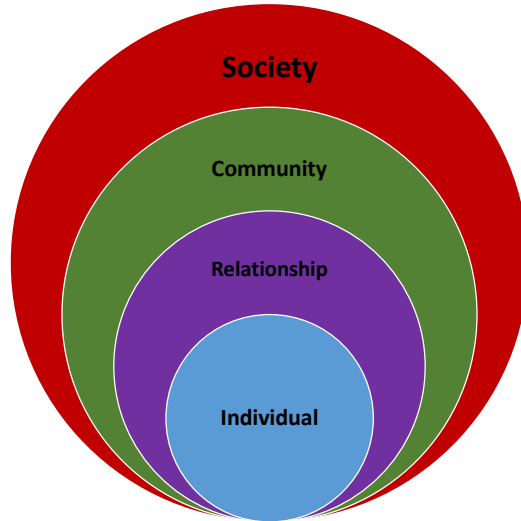
In 2015

9%

Mecklenburg High School Students reported being physically hurt on purpose by a boyfriend or girlfriend.

Social-Ecological Model:
A Framework for Violence Prevention

Ready to Rank this Priority Area?

1 **DISCUSS**
Quick Table Top Discussion of the Issue

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Rank the issue based on the 5 criteria provided

3 **VOTE**
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2017 Priority Setting Event